

What is claimed is:

1. An electrical connector assembly for connection to solder-coated conductive pads on both surfaces of a circuit substrate when completely inserted into the connector, the electrical connector comprising:

an insulative housing having a body with a row of upper and a row of lower receiving passageways defined therein, and a pair of extending portions formed at opposite ends of the body;

a clamp attached with the housing, and comprising a plurality of supporting slots, and a pair of supporting arms engaging with corresponding extending portions of the housing;

a row of upper conductive contacts received in the row of upper receiving passageways of the housing, and comprising bent portions received in the supporting slots of the clamp before the circuit substrate being completely inserted into the connector assembly and soldering portions for pressing on the circuit substrate after the circuit substrate being completely inserted into the connector; and

a row of lower conductive contacts received in the row of lower receiving passageways of the housing, and comprising flexing portions for pressing on the circuit substrate after the circuit substrate being completely inserted into the connector;

wherein a shortest distance between the soldering portion of each upper contact and the flexing portion of a corresponding lower contact is greater than a thickness of the circuit substrate.

2. The electrical connector as claimed in claim 1, wherein a plurality of guiding faces are defined in the clamp at the supporting slots for guiding

the upper row of contacts through the supporting slots.

3. The electrical connector as claimed in claim 1, wherein each contact comprises a contacting portion and a retaining portion secured in the receiving passageways of the housing.
4. The electrical connector as claimed in claim 3, wherein the bent portion of each upper contact bends downwardly, and a distal end of the soldering portion is curved slightly upwardly.
5. The electrical connector as claimed in claim 1, wherein each extending portion defines a positioning slot and a retaining slot in a bottom thereof.
6. The electrical connector as claimed in claim 5, wherein the clamp further comprises a pair of positioning arms, each positioning arm forms a block, and the blocks engage with the positioning slots and the retaining slots respectively before and after the circuit substrate being completely inserted into the connector.
7. A clamp for being used with an electrical connector, the clamp comprising:
 - a supporting portion with a plurality of supporting slots defined therein;
 - and
 - a pair of supporting arms formed at opposite end of the supporting portion;
8. The clamp as claimed in claim 7, wherein the clamp further comprises a positioning portion parallel to the supporting portion, and a base portion interconnecting the supporting portion with the positioning portion.
9. The clamp as claimed in claim 8, wherein the positioning portion comprises a pair of positioning arms formed at opposite ends thereof, each positioning arm forming a block thereon.

10. The clamp as claimed in claim 9, wherein the supporting portion further defines a guiding slot in a side wall thereof, and the guiding slot is parallel to the supporting arms.
11. The clamp as claimed in claim 10, wherein a plurality of guiding faces are defined in the supporting portion at the supporting slots respectively, and adjoin the base portion.
12. The clamp as claimed in claim 11, wherein the base portion defines a plurality of through slots therein, and the positioning portion defines a plurality of receiving slots therein.
13. An electrical connector assembly comprising:
 - an insulative housing defining a pair of extending portions on two opposite ends of a rear portion thereof, each of said extending portions defining a downward facing guidance face;
 - at least one row of contacts disposed in the housing with tails located between said pair of extending portions;
 - a clamp mounted to the housing and moveable relative to the housing along a front-to-back direction to have the tails of the contacts hidden above said guidance face; and
 - a printed circuit board, during insertion, having one side edge portion abutting against the guidance face, and a front edge further contacting and urging the clamp to move relative to the housing to allow the tails of the contacts to be lowered to be located below the guidance face and soldered to corresponding pads on the printed circuit board.